What is claimed is:

1	1.	A nucleic acid molecule encoding a fusion protein comprising:		
2		(a) a signal sequence;		
3		(b) an immunoglobulin Fc region; and		
4		(c) a target protein sequence comprising interferon-alpha,		
5	where	in the signal sequence, the immunoglobulin Fc region and the target protein		
6	sequence are encoded serially in a 5' to 3' direction.			
1	2.	The nucleic acid of claim 1 wherein the immunoglobulin Fc region		
2	comprises an immunoglobulin hinge region.			
1	3.	The nucleic acid of claim 1 wherein the immunoglobulin Fc region		
2	comprises an	prises an immunoglobulin hinge region and an immunoglobulin heavy chain constant		
3	region domai	n.		
1	4.	The nucleic acid of claim 1 wherein the immunoglobulin Fc region		
2	comprises an immunoglobulin hinge region and an immunoglobulin CH3 domain.			
1	5.	The nucleic acid of claim 1, wherein the immunoglobulin Fc region		
2	comprises a hinge region, a CH2 domain and a CH3 domain.			
1	6.	The nucleic acid of claim 5 wherein the immunoglobulin Fc region		
2	comprises a	portion of an immunoglobulin gamma sequence.		
1	7.	The nucleic acid of claim 6 wherein the immunoglobulin gamma is human		
2	immunoglob	ulin gamma1.		
1	8.	A replicable expression vector for transfecting a mammalian cell, the		
2	vector comprising the nucleic acid of claim 1.			

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1	9.	The replicable expression vector of claim 8 wherein the vector is a viral			
2	vector.				
1	10.	A mammalian cell harboring the nucleic acid of claim 1.			
1	11.	A fusion protein comprising in an amino terminal to carboxy terminal			
2	direction an immunoglobulin Fc region and a target protein comprising interferon-alpha.				
1	12.	The fusion protein of claim 11 wherein the interferon-alpha comprises an			
2	amino acid se	quence set forth in SEQ. ID. NO.: 2, 7 or 8-21 or a species or allelic variant			
3	thereof.				
l	13.	The fusion protein of claim 11 wherein the target protein comprises at			
2	least two inte	rferon-alpha molecules linked by a polypeptide linker.			
l	14.	The fusion protein of claim 13 further comprising a polypeptide linker			
2	linking the immunoglobulin Fc region to the target protein.				
1	15.	The fusion protein of claim 11 wherein the immunoglobulin Fc region			
2	comprises an	immunoglobulin hinge region and an immunoglobulin heavy chain constant			
3	region domain.				
1	16.	The fusion protein of claim 15 wherein the heavy chain constant region			
2	domain comp	orises a CH3 domain.			
1	17.	The fusion protein of claim 11 wherein the immunoglobulin Fc region			
2	comprises a h	ninge region, a CH2 domain and a CH3 domain.			
1	18.	A multimeric protein comprising at least two fusion proteins of claim 11			
2	linked via a covalent bond.				
1	19.	The protein of claim 18 wherein the covalent bond is a disulfide bond.			
1	20.	A method of producing a fusion protein comprising the steps of:			
2		(a) providing the mammalian cell of claim 10; and			

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3		(b) culturing	the mammalian cell to produce the fusion protein.
1	21.	The method of o	laim 20 comprising the additional step of collecting the
2	fusion protein.		
1	22.	The method of	laim 20 comprising the additional step of purifying the
2	fusion protein.	•	
1	23.	The method of	laim 20 comprising the additional step of cleaving with

A method of treating a condition alleviated by the administration of 24. interferon-alpha comprising the step of administering the nucleic acid of claim 1 to a mammal having the condition.

cleavage site disposed betweep the immunoglobulin Fc region and the target protein.

proteolytic enzyme the immunoglobulin Fc region from the target protein at a proteolytic

- A method of treating a condition alleviated by the administration of 25. interferon-alpha comprising the step of administering the vector of claim 8 to a mammal having the condition.
- A method of treating a condition alleviated by the administration of 26. interferon-alpha comprising the step of administering the fusion protein of claim 11 to a mammal having the condition.
- 27. A method of treating a condition alleviated by the administration of interferon-alpha comprising the step of administering protein of claim 18 to a mammal having the condition.
 - The method of claim 26 wherein the condition is a liver disorder. 28.
 - 29. The method of claim 28 wherein the liver disorder is hepatitis.